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OM protein - protein search, using sw model

Run on: August 4, 2003, 15:31:01 : Search time 14.527 Seconds
(without alignments)
923.283 Million cell updates/sec

Title: US-09-865-363-13

Perfect score: 1685
Sequence: 1 MRRASRDYKYLKSGSEMG.....LDPDQATYFGAFKVRDID 317

Scoring table:

Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued_Patents_AA.*
2: /cgn2_6/ptodata/1/1aa/5A-COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/5B-COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6A-COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6B-COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/PCTUS-COMB.pep.*
7: /cgn2_6/ptodata/1/1aa/Backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1685	100.0	317	3	US-08-996-139-13 Sequence 13, Appl
2	1685	100.0	317	3	US-08-995-659-13 Sequence 13, Appl
3	1685	100.0	317	3	US-09-215-649A-13 Sequence 13, Appl
4	1685	100.0	317	4	US-09-052-521C-4 Sequence 4, Appl
5	1685	100.0	317	4	US-09-577-780-13 Sequence 13, Appl
6	1685	100.0	317	4	US-09-577-800-13 Sequence 13, Appl
7	1685	100.0	317	4	US-09-466-496-13 Sequence 13, Appl
8	1685	100.0	317	4	US-09-871-856-13 Sequence 13, Appl
9	1685	100.0	317	4	US-08-842-842-7 Sequence 13, Appl
10	1417.5	84.1	316	2	US-08-989-362-2 Sequence 2, Appl
11	1417.5	84.1	316	3	US-09-052-521C-2 Sequence 2, Appl
12	1417.5	84.1	316	4	US-09-671-658A-2 Sequence 2, Appl
13	1417.5	84.1	316	4	US-08-996-139-11 Sequence 11, Appl
14	1326.5	78.7	294	3	US-08-995-659-11 Sequence 11, Appl
15	1326.5	78.7	294	3	US-09-215-649A-11 Sequence 11, Appl
16	1326.5	78.7	294	4	US-09-577-780-11 Sequence 11, Appl
17	1326.5	78.7	294	4	US-09-577-800-11 Sequence 11, Appl
18	1326.5	78.7	294	4	US-09-466-496-11 Sequence 11, Appl
19	1326.5	78.7	294	4	US-09-871-856-11 Sequence 11, Appl
20	1326.5	78.7	294	4	US-09-871-856-11 Sequence 11, Appl
21	1326.5	78.7	294	4	US-09-871-856-11 Sequence 11, Appl
22	418	24.8	77	4	US-09-632-287A-11 Sequence 11, Appl
23	363	21.5	77	4	US-09-632-287A-11 Sequence 11, Appl
24	251.5	14.9	279	4	US-09-670-354-2 Sequence 3, Appl
25	251.5	14.9	281	1	US-08-584-031-1 Sequence 1, Appl
26	251.5	14.9	281	3	US-08-780-496-1 Sequence 1, Appl
27	251.5	14.9	281	3	US-08-780-496-1 Sequence 1, Appl

28	251.5	14.9	281	3	US-08-883-086-10 Sequence 10, Appl
29	251.5	14.9	281	3	US-09-320-424-2 Sequence 2, Appl
30	251.5	14.9	281	4	US-09-333-533A-6 Sequence 6, Appl
31	251.5	14.9	281	4	US-09-157-864-11 Sequence 11, Appl
32	251.5	14.9	281	4	US-09-825-563-2 Sequence 2, Appl
33	251.5	14.9	281	4	US-10-039-785-66 Sequence 66, Appl
34	251.5	14.9	281	5	PCT-US96-10895-2 Sequence 2, Appl
35	248	14.7	291	1	US-08-670-354-6 Sequence 6, Appl
36	248	14.7	291	3	US-09-320-424-6 Sequence 6, Appl
37	248	14.7	291	5	PCT-US96-10895-6 Sequence 6, Appl
38	248	14.7	291	5	PCT-US96-10895-6 Sequence 6, Appl
39	236.5	14.0	253	3	US-09-320-424-11 Sequence 11, Appl
40	236.5	14.0	253	4	US-09-825-563-11 Sequence 11, Appl
41	236.5	14.0	256	3	US-09-320-424-13 Sequence 13, Appl
42	236.5	14.0	256	4	US-09-825-563-13 Sequence 13, Appl
43	232.5	13.8	161	4	US-09-565-423-7 Sequence 7, Appl
44	231.5	13.7	177	3	US-09-105-343A-7 Sequence 7, Appl
45	226.5	13.4	183	3	US-09-105-343A-8 Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-996-139-13
Sequence 13, Application US/08996139
Patent No. 6017729
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
APPLICANT: Galibert, Laurent
APPLICANT: Maraskovsky, Eugene
TITLE OF INVENTION: Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/996,139
FILING DATE: 22 DECEMBER 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
FILING DATE: 14 OCTOBER 1997
APPLICATION NUMBER: USSN 60/064,671
PRIOR APPLICATION DATA:
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/813,509
PRIOR APPLICATION DATA:
FILING DATE: 23 DECEMBER 1996
APPLICATION NUMBER: USSN 08/772,330
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2851-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-996-139-13

Query Match 100.0%; Score 1685; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTYLRLGSEEMGGPGAPHEGPHAPPAPHPAPPAASRSMEVALLGLGLGY 60
1 MRRASRDYTYLRLGSEEMGGPGAPHEGPHAPPAPHPAPPAASRSMEVALLGLGLGY 60
DB 1 MRRASRDYTYLRLGSEEMGGPGAPHEGPHAPPAPHPAPPAASRSMEVALLGLGLGY 60

QY 61 VCSVALFFYFRAQMDPRISSEDGTHCYRILRLHENDFODTTLESODTKLIPSCRRK 120
DB 61 VCSVALFFYFRAQMDPRISSEDGTHCYRILRLHENDFODTTLESODTKLIPSCRRK 120

QY 121 QAFGAVQKELQHVGSQHIRAEKAMVDGSMDLAKRSKLEAOPFAHLTINADIPSGSH 180
DB 121 QAFGAVQKELQHVGSQHIRAEKAMVDGSMDLAKRSKLEAOPFAHLTINADIPSGSH 180

QY 181 KVSLSWYHDGNAKISNMTFNSNGLIVNODGFYLLANICFRHHETSGDLATEYLQMW 240
DB 181 KVSLSWYHDGNAKISNMTFNSNGLIVNODGFYLLANICFRHHETSGDLATEYLQMW 240

QY 241 VYKTSIKIPSSHTLMKGSSTKYWSGSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300
DB 241 VYKTSIKIPSSHTLMKGSSTKYWSGSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300

QY 301 PDQATYFGAFKVRDID 317
DB 301 PDQATYFGAFKVRDID 317

RESULT 2
US-08-995-659-13
Sequence 13, Application US/08995659
Patent No. 6242213

GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
APPLICANT: Galibert, Laurent
APPLICANT: Maraskovsky, Eugene
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/995,659
FILING DATE: 22 DECEMBER 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 60/064,671
FILING DATE: 14 OCTOBER 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
CLASSIFICATION:
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2852-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-995-659-13

Query Match 100.0%; Score 1685; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTYLRLGSEEMGGPGAPHEGPHAPPAPHPAPPAASRSMEVALLGLGLGY 60
1 MRRASRDYTYLRLGSEEMGGPGAPHEGPHAPPAPHPAPPAASRSMEVALLGLGLGY 60
DB 1 MRRASRDYTYLRLGSEEMGGPGAPHEGPHAPPAPHPAPPAASRSMEVALLGLGLGY 60

QY 61 VCSVALFFYFRAQMDPRISSEDGTHCYRILRLHENDFODTTLESODTKLIPSCRRK 120
DB 61 VCSVALFFYFRAQMDPRISSEDGTHCYRILRLHENDFODTTLESODTKLIPSCRRK 120

QY 121 QAFGAVQKELQHVGSQHIRAEKAMVDGSMDLAKRSKLEAOPFAHLTINADIPSGSH 180
DB 121 QAFGAVQKELQHVGSQHIRAEKAMVDGSMDLAKRSKLEAOPFAHLTINADIPSGSH 180

QY 181 KVSLSWYHDGNAKISNMTFNSNGLIVNODGFYLLANICFRHHETSGDLATEYLQMW 240
DB 181 KVSLSWYHDGNAKISNMTFNSNGLIVNODGFYLLANICFRHHETSGDLATEYLQMW 240

QY 241 VYKTSIKIPSSHTLMKGSSTKYWSGSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300
DB 241 VYKTSIKIPSSHTLMKGSSTKYWSGSEFHFYSINVGFFKLRSGEISIEVSNPSLLD 300

QY 301 PDQATYFGAFKVRDID 317
DB 301 PDQATYFGAFKVRDID 317

RESULT 3
US-09-215-649A-13
Sequence 13, Application US/09215649A
Patent No. 6271349

GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
APPLICANT: Galibert, Laurent
APPLICANT: Maraskovsky, Eugene
TITLE OF INVENTION: Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/215,649A
FILING DATE: 17-Dec-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996,139
FILING DATE: <Unknown>
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2851-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-215-649A-13

Query Match 100.0%; Score 1685; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1,8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYKLGSEMGSGPGAPHEGPLHAPPAPPAHQPAPASRSMFVALLGLGGOV 60
DB 1 MRRASRDYTKYKLGSEMGSGPGAPHEGPLHAPPAPPAHQPAPASRSMFVALLGLGGOV 60
QY 61 VCSVALFEYFRAMDPRISEDGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120
DB 61 VCSVALFEYFRAMDPRISEDGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120
QY 121 QAFQGAQVKELQHVGSQHIRAEKAWDGSMLDAKRSKLEAPFAHLLTNATDIPSGSH 180
DB 121 QAFQGAQVKELQHVGSQHIRAEKAWDGSMLDAKRSKLEAPFAHLLTNATDIPSGSH 180
QY 181 KVSLSWYHNRGNAKISNMTFSGKLIYNODGEYLYANICFRHHETSGDLATEYQLMW 240
DB 181 KVSLSWYHNRGNAKISNMTFSGKLIYNODGEYLYANICFRHHETSGDLATEYQLMW 240
QY 241 YVTKTSIKIPSSHHTLMKGSSTKYWGSNSEHFYSINVGFFKLRSGEISIEVSNPSLLD 300
DB 241 YVTKTSIKIPSSHHTLMKGSSTKYWGSNSEHFYSINVGFFKLRSGEISIEVSNPSLLD 300
QY 301 PDODATYFGAFKVRDID 317
DB 301 PDODATYFGAFKVRDID 317

RESULT 4
US-09-052-521C-4
Sequence 4, Application US/09052521C
Patent No. 6316408
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
FILE OF INVENTION: Osteoprotegerin Binding Proteins and Receptors
TITLE REFERENCE: A-451Bv
CURRENT APPLICATION NUMBER: US/09/052,521C
CURRENT FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 08/880,855
PRIOR FILING DATE: 1997-06-23
PRIOR APPLICATION NUMBER: 08/842,842
PRIOR FILING DATE: 1997-04-16
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 4
LENGTH: 317
TYPE: PRT
ORGANISM: Human
US-09-052-521C-4

Query Match 100.0%; Score 1685; DB 4; Length 317;
Best Local Similarity 100.0%; Pred. No. 1,8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYKLGSEMGSGPGAPHEGPLHAPPAPPAHQPAPASRSMFVALLGLGGOV 60
DB 1 MRRASRDYTKYKLGSEMGSGPGAPHEGPLHAPPAPPAHQPAPASRSMFVALLGLGGOV 60

QY 61 VCSVALFEYFRAMDPRISEDGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120
DB 61 VCSVALFEYFRAMDPRISEDGHCYRILRLHENDFODTTLESODTKLIPDSGRIR 120
QY 121 QAFQGAQVKELQHVGSQHIRAEKAWDGSMLDAKRSKLEAPFAHLLTNATDIPSGSH 180
DB 121 QAFQGAQVKELQHVGSQHIRAEKAWDGSMLDAKRSKLEAPFAHLLTNATDIPSGSH 180
QY 181 KVSLSWYHNRGNAKISNMTFSGKLIYNODGEYLYANICFRHHETSGDLATEYQLMW 240
DB 181 KVSLSWYHNRGNAKISNMTFSGKLIYNODGEYLYANICFRHHETSGDLATEYQLMW 240
QY 241 YVTKTSIKIPSSHHTLMKGSSTKYWGSNSEHFYSINVGFFKLRSGEISIEVSNPSLLD 300
DB 241 YVTKTSIKIPSSHHTLMKGSSTKYWGSNSEHFYSINVGFFKLRSGEISIEVSNPSLLD 300
QY 301 PDODATYFGAFKVRDID 317
DB 301 PDODATYFGAFKVRDID 317

RESULT 5
US-09-577-780-13
Sequence 13, Application US/09577780
Patent No. 6419929
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
Galibert, Laurent
Matkovsky, Eugene

TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/577,780
FILING DATE: 24-May-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/995,659
FILING DATE: <Unknown>
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2852-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-577-780-13

Query Match 100.0%; Score 1685; DB 4; Length 317;
Best Local Similarity 100.0%; Pred. No. 1,8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MRRASRDYTKYLKSGSEMGSGPAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
      1 MRRASRDYTKYLKSGSEMGSGPAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
Db      1 MRRASRDYTKYLKSGSEMGSGPAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
QY      61 VCSVALFEYFRAMDPNRISEDGTHCIYRLRLHENDAFODTLESODTKLIPDSCRRIK 120
      61 VCSVALFEYFRAMDPNRISEDGTHCIYRLRLHENDAFODTLESODTKLIPDSCRRIK 120
Db      61 VCSVALFEYFRAMDPNRISEDGTHCIYRLRLHENDAFODTLESODTKLIPDSCRRIK 120
QY      121 QAFQGAQOKELQIHVGSQHIRAEKAWDGSWLDLAKRSKLEAFPALHTINATDIPSGSH 180
      121 QAFQGAQOKELQIHVGSQHIRAEKAWDGSWLDLAKRSKLEAFPALHTINATDIPSGSH 180
Db      121 QAFQGAQOKELQIHVGSQHIRAEKAWDGSWLDLAKRSKLEAFPALHTINATDIPSGSH 180
QY      181 KVSLSWYHDSRGNAKISNMTFSGKLIYNODGFYLYLANICFRHHETSGDLATEYLQIMV 240
      181 KVSLSWYHDSRGNAKISNMTFSGKLIYNODGFYLYLANICFRHHETSGDLATEYLQIMV 240
Db      181 KVSLSWYHDSRGNAKISNMTFSGKLIYNODGFYLYLANICFRHHETSGDLATEYLQIMV 240
QY      241 YVTKTSIKIPSSHTLMKGSTKTYWGSNSEHFYSINVGFFKLSRSGEISIEVSNPSILD 300
      241 YVTKTSIKIPSSHTLMKGSTKTYWGSNSEHFYSINVGFFKLSRSGEISIEVSNPSILD 300
Db      241 YVTKTSIKIPSSHTLMKGSTKTYWGSNSEHFYSINVGFFKLSRSGEISIEVSNPSILD 300
QY      301 PDODATYFGAFKVRDID 317
      301 PDODATYFGAFKVRDID 317
Db      301 PDODATYFGAFKVRDID 317

RESULT 6
US-09-577-800-13
; Sequence 13, Application US/09577800
; Patent No. 6479635
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Galibert, Laurent.
; APPLICANT: Maraskovsky, Eugene.
; TITLE OF INVENTION: Receptor Activator of NF-kappaB.
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/577,800
; FILING DATE: 24-MAY-2000
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/996,139
; FILING DATE: 22 DECEMBER 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/064,671
; FILING DATE: 14 OCTOBER 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/813,509
; FILING DATE: 07 MARCH 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23 DECEMBER 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2851-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 317 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-577-800-13
Query Match      100.0%; Score 1665; DB 4; Length 317;
Best Local Similarity 100.0%; Pred. No. 1,8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRRASRDYTKYLKSGSEMGSGPAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
      1 MRRASRDYTKYLKSGSEMGSGPAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
Db      1 MRRASRDYTKYLKSGSEMGSGPAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
QY      61 VCSVALFEYFRAMDPNRISEDGTHCIYRLRLHENDAFODTLESODTKLIPDSCRRIK 120
      61 VCSVALFEYFRAMDPNRISEDGTHCIYRLRLHENDAFODTLESODTKLIPDSCRRIK 120
Db      61 VCSVALFEYFRAMDPNRISEDGTHCIYRLRLHENDAFODTLESODTKLIPDSCRRIK 120
QY      121 QAFQGAQOKELQIHVGSQHIRAEKAWDGSWLDLAKRSKLEAFPALHTINATDIPSGSH 180
      121 QAFQGAQOKELQIHVGSQHIRAEKAWDGSWLDLAKRSKLEAFPALHTINATDIPSGSH 180
Db      121 QAFQGAQOKELQIHVGSQHIRAEKAWDGSWLDLAKRSKLEAFPALHTINATDIPSGSH 180
QY      181 KVSLSWYHDSRGNAKISNMTFSGKLIYNODGFYLYLANICFRHHETSGDLATEYLQIMV 240
      181 KVSLSWYHDSRGNAKISNMTFSGKLIYNODGFYLYLANICFRHHETSGDLATEYLQIMV 240
Db      181 KVSLSWYHDSRGNAKISNMTFSGKLIYNODGFYLYLANICFRHHETSGDLATEYLQIMV 240
QY      241 YVTKTSIKIPSSHTLMKGSTKTYWGSNSEHFYSINVGFFKLSRSGEISIEVSNPSILD 300
      241 YVTKTSIKIPSSHTLMKGSTKTYWGSNSEHFYSINVGFFKLSRSGEISIEVSNPSILD 300
Db      241 YVTKTSIKIPSSHTLMKGSTKTYWGSNSEHFYSINVGFFKLSRSGEISIEVSNPSILD 300
QY      301 PDODATYFGAFKVRDID 317
      301 PDODATYFGAFKVRDID 317
Db      301 PDODATYFGAFKVRDID 317

RESULT 7
US-09-466-496-13
; Sequence 13, Application US/09466496
; Patent No. 6528482
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Galibert, Laurent
; APPLICANT: Maraskovsky, Eugene
; TITLE OF INVENTION: Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Apple Power Macintosh
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/466,496
; FILING DATE: 17-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/996,139
; FILING DATE: 22 DECEMBER 1997
; APPLICATION NUMBER: USSN 60/064,671
; FILING DATE: 14 OCTOBER 1997
; APPLICATION NUMBER: USSN 08/813,509
; FILING DATE: 07 MARCH 1997
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23 DECEMBER 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996,139
FILING DATE: <Unknown>
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2851-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-871-291-13

Query Match 100.0%; Score 1685; DB 4; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.8e-163;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLRSSEMGSGPGAPHEGPHLHAPPAPHPAPPAASRSMEFALLGLGLGOV 60
DB 1 MRRASRDYTKYLRSSEMGSGPGAPHEGPHLHAPPAPHPAPPAASRSMEFALLGLGLGOV 60
QY 61 VCSVALFFEFRAQMDPNRISDEGTHCIYRILRLHENDFQDTLESODTKLIPSCRRIK 120
DB 61 VCSVALFFEFRAQMDPNRISDEGTHCIYRILRLHENDFQDTLESODTKLIPSCRRIK 120
QY 121 QAFQAVQKELQHIYVSGHIREKAMVDGSLDLAKRSKLEAPFAHLTINATDIPSGS 180
DB 121 QAFQAVQKELQHIYVSGHIREKAMVDGSLDLAKRSKLEAPFAHLTINATDIPSGS 180
QY 121 QAFQAVQKELQHIYVSGHIREKAMVDGSLDLAKRSKLEAPFAHLTINATDIPSGS 180
DB 121 QAFQAVQKELQHIYVSGHIREKAMVDGSLDLAKRSKLEAPFAHLTINATDIPSGS 180
QY 181 KVSLSWYHDSGMKISNMTFSNGKLIYNODGFYLLANICFRHETSGDLATEYLQLMV 240
DB 181 KVSLSWYHDSGMKISNMTFSNGKLIYNODGFYLLANICFRHETSGDLATEYLQLMV 240
QY 241 YVTKTSIKIPSSHTLMKSGSTKYWSGNSSEFFHYSLINVGFFKLKSGEISIEVSNPILLD 300
DB 241 YVTKTSIKIPSSHTLMKSGSTKYWSGNSSEFFHYSLINVGFFKLKSGEISIEVSNPILLD 300
QY 301 PDODATYGFARFVRDID 317
DB 301 PDODATYGFARFVRDID 317

RESULT 10
US-08-842-842-7
Sequence 7, Application US/08842842
Patent No. 5843678
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91230-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/842,842
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-451
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 316 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-842-842-7

Query Match 84.1%; Score 1417.5; DB 2; Length 316;
Best Local Similarity 84.3%; Pred. No. 3.3e-136;
Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

QY 1 MRRASRDYTKYLRSSEMGSGPGAPHEGPHLHAPPAPHPAPPAASRSMEFALLGLGLGOV 59
DB 1 MRRASRDYTKYLRSSEMGSGPGAPHEGPHLHAPPAPHPAPPAASRSMEFALLGLGLGOV 60
QY 60 VCSVALFFEFRAQMDPNRISDEGTHCIYRILRLHENDFQDTLESODTKLIPSCRRIK 119
DB 61 VCSVALFFEFRAQMDPNRISDEGTHCIYRILRLHENDFQDTLESODTKLIPSCRRIK 118
QY 120 KQAFQAVQKELQHIYVSGHIREKAMVDGSLDLAKRSKLEAPFAHLTINATDIPSGS 179
DB 119 KQAFQAVQKELQHIYVSGHIREKAMVDGSLDLAKRSKLEAPFAHLTINATDIPSGS 178
QY 180 KVSLSWYHDSGMKISNMTFSNGKLIYNODGFYLLANICFRHETSGDLATEYLQLMV 239
DB 179 KVSLSWYHDSGMKISNMTFSNGKLIYNODGFYLLANICFRHETSGDLATEYLQLMV 238
QY 240 VYVTKTSIKIPSSHTLMKSGSTKYWSGNSSEFFHYSLINVGFFKLKSGEISIEVSNPILL 299
DB 239 VYVTKTSIKIPSSHTLMKSGSTKYWSGNSSEFFHYSLINVGFFKLKSGEISIEVSNPILL 298
QY 300 PDODATYGFARFVRDID 317
DB 299 PDODATYGFARFVRDID 316

RESULT 11
US-08-989-362-2
Sequence 2, Application US/08989362
Patent No. 6242586
GENERAL INFORMATION:
APPLICANT: Gorman, Daniel M.
TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNA Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/989,362
FILING DATE: 12-DEC-1997
CLASSIFICATION: 56
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/032,846
FILING DATE: 13-DEC-1996
ATTORNEY/AGENT INFORMATION:

```

1      NAME: Ching, Edwin P.
2      REGISTRATION NUMBER: 34,090
3      }
4      REFERENCE/DOCKET NUMBER: DX0686
5      TELECOMMUNICATION INFORMATION:
6      TELEPHONE: (650)852-9196
7      TELEFAX: (650)496-1204
8      INFORMATION FOR SEQ ID NO: 2:
9      SEQUENCE CHARACTERISTICS:
10     LENGTH: 316 amino acids
11     TYPE: amino acid
12     TOPOLOGY: linear
13     MOLECULE TYPE: protein
14     US-08-989-362-2

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Query Match	84.1%	Score 1417.5	-DB 3	Length 316
Best Local Similarity	84.3%	Pred. No. 3.3e-136		
Matches 268	Conservative 16	Mismatches 31	Indels 3	Gaps 2

QY	1	MRAASDADYKYUJLRGSEEMGCGPGAHNEGHLH-APRPPAPHPORPAASISMFAALLGGLGQ	59
Db	1	MRAASRDYCKYUJLRSSSEMGSGPGVHEGRLHPAPASAPARPPAPASRMFLALLGGLGQ	60
QY	60	VCSVALFFYFPAQNDPNRISDEGCHICIRILRLHENDFODTLLLESODTKLIPDSCRRI	119
Db	61	VCSIALFLYFPAQNDPNRISDEGCHICIRILRLHENDGSDTLLLESDDT--LPDSCRRI	118
QY	120	KQAFQGAOVOKELOHIYSGQHIEAERKAMPDGSWLDLAKRSKLEAQPFALHTINATDIPSGS	179
Db	119	KAFQGAOVOKELOHIYGPQRFSGAPAMWEGMSLDVAQNGKREQAPALHTINAAISIPSGS	178
QY	180	HKATLSWYHNDGMAKISMNTPFSNCKLIVNDGFFYLANTCFFRHHETSGDLATEYQLOM	239
Db	179	HKATLSWYHNDGMAKISMNTPLSNCKLRYNDGFFYLANTCFFRHHETSGVDPDYQLOM	238
QY	240	VVYVTKTSIKIPSSHTLMKGSGTYVAGSNGSEHFHYISYINGCFEFKIRSGSEIISYVNSPL	299
Db	239	VVYVTKTSIKIPSSHNLMKGSGTFKMSNGSEHFHYISYINGCFEFKIRAGEISISYVNSPL	298
QY	300	DPDQDATYFGAFKRYVDID 317	
Db	299	DPDQDATYFGAFKRYVDID 316	

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RESULT 12
US-09-052-521C-2
: Sequence 2, Application US/09052521C
: Patent No. 6316408
: GENERAL INFORMATION:
: APPLICANT: Boyle, William J.
: TITLE OF INVENTION: Osteoprotegerin Binding Proteins and Receptors
: FILE REFERENCE: A-4518rv
: CURRENT APPLICATION NUMBER: US/09/052,521C
: CURRENT FILING DATE: 1998-03-30
: PRIOR APPLICATION NUMBER: 08/880,855
: PRIOR FILING DATE: 1997-06-23
: PRIOR APPLICATION NUMBER: 08/842,842
: PRIOR FILING DATE: 1997-04-16
: NUMBER OF SEQ ID NOS: 40
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 316
: TYPE: PRT
: ORGANISM: Mouse
: US-09-052-521C-2

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Query Match	84.1%	Score 1417.5	DB 4	Length 316
Best Local Similarity	84.3%	Pred. No. 3.3e-136		
Matches 268	Conservative 16	Mismatches 31	Indels 3	Gaps 2

OY 1 MRNRSRDYTKYLGRSEEMGGCGAPHCERPLH-APP RPADHQPPAASRSMVALLGGLGQ 59
| | | | | | | | | | | | | | | : | | | | |
Db 1 MRRASRDYGKTLRSSEMGSGGVPHCEPRLHPARSAAPARAPPAASRSMFLALLGGLGQ 60

[illegible]

RESULT 13
 : US-09-671-658A-2
 : Sequence 2, Application US/09671658A
 : Patent No. 6525180
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 : GENERAL INFORMATION:
 : APPLICANT: Gorman, Daniel M.
 : Mattson, Jeanine D.
 : TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related
 : Reagents
 :
 : NUMBER OF SEQUENCES: 2
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: DNAX Research Institute
 : STREET: 901 California Avenue
 : CITY: Palo Alto
 : STATE: California
 : COUNTRY: USA
 : ZIP: 94304-1104
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
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 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/09/671,658A
 : FILING DATE: 27-Sep-2000
 : CLASSIFICATION: <Unknown>
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 : PRIORITY APPLICATION DATA:
 : APPLICATION NUMBER: US/08/989,362
 : FILING DATE: 12-DEC-1997
 : APPLICATION NUMBER: US 60/032,846
 : FILING DATE: 13-DEC-1996
 :
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Ching, Edwin P.
 : REGISTRATION NUMBER: 34,090
 : REFERENCE/DOCKET NUMBER: DX0686
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (650)852-9196
 : TELEFAX: (650)496-1204
 :
 : INFORMATION FOR SEQ ID NO: 2:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 316 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear
 :
 : MOLECULE TYPE: protein
 : SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 : IS-09-671-658A-2

;	SEQUENCE	DESCRIPTION:	SEQ ID NO:	2:
US-09-671-658A-2				

Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps

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Db 1 MRRASRYGKYLKSSSEMGSGPCVPHGPIHAPASAPAPPPASASMLALLGLGQ 60
QY 60 VCSVALFEFFRAQMDPNRISEDTGHCIVRLRLHENADFDOTTLKSQDKLIIPDSGR 119
Db 61 VVCSIALFEFFRAQMDPNRISEDTGHCIVRLRLHENAGLQDSTLESEDT--LPDSGRM 118
QY 120 KQAFQGVQKELQIHVQSGHIIRAKAVDGSWLDLAKRSKLEQAPFAHLTNATDIPSGS 179
Db 119 KQAFQGVQKELQIHVQSGHIIRAKAVDGSWLDVQKRPQAPFAHLTNASTPSGS 178
QY 180 HKVLSLWYHDSRMAKISNMTPFSGKLIYNQDGFYVLYANICFRHHTSGDLATEYLQ 239
Db 179 HKVLSLWYHDSRMAKISNMTPFSGKLIYNQDGFYVLYANICFRHHTSGSVPTDYLO 238
QY 240 VVYTKSIKIPSSHTLMKSGSTKYWGSNPFHYISINVGPFKLRSGEISIEVSNPSL 299
Db 239 VVYTKSIKIPSSHTLMKSGSTKYWGSNPFHYISINVGPFKLRAGEEISIOVSNPSL 298
QY 300 DPDDATYFGAFKVDID 317
Db 299 DPDDATYFGAFKVDID 316

RESULT 14

US-08-996-139-11
; Sequence 11, Application US/08996139
; Patent No. 6017729
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Galibert, Eugene
; APPLICANT: Maraskovsky, Eugene
; TITLE OF INVENTION: Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/996,139
; FILING DATE: 22 DECEMBER 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 60/064,671
; FILING DATE: 14 OCTOBER 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 08/813,509
; FILING DATE: 07 MARCH 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 08/772,330
; FILING DATE: 23 DECEMBER 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2851-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; TYPE: amino acid
; LENGTH: 294 amino acids
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-996-139-11

Query Match 78.7%; Score 1326.5; DB 3; Length 294;
Best Local Similarity 84.5%; Pred. No. 5;oe-127;
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 23 GAPHEGLH-APPAPHPAPASRSWFLALGLJGQVCSVALFEFFRAQMDPNRISE 81
Db 1 GVPHGPIHAPASAPAPPPASASMLALLGLGQVCSIALFEFFRAQMDPNRISE 60
QY 82 DGHCIYRLRLHENADFDOTTLKSQDKLIIPDSGRIRKQAFQGVQKELQIHVQSGH 141
Db 61 DSTRHCFYRLRLHENADLDSTLESEDT--LPDSGRMKQAFQGVQKELQIHVQSGH 118
QY 142 AEKAVDGSWLDLAKRSKLEQAPFAHLTNATDIPSGHVSIVHDSRMAKISNMTP 201
Db 119 GAPPMGSGWLDVQKRPQAPFAHLTNASTIPSGHVSIVHDSRMAKISNMTP 178
QY 202 SNCKLIYNQDGFYVLYANICFRHHTSGDLATEYLQIMVYTKSIKIPSSHTLMKSGST 261
Db 179 SNCKLIYNQDGFYVLYANICFRHHTSGSVPTDYLOIMVYTKSIKIPSSHTLMKSGST 238
QY 262 KYWGSNPFHYISINVGPFKLRSGEISIEVSNPSLDPDDATYFGAFKVDID 317
Db 239 KMWGSNPFHYISINVGPFKLRAGEEISIOVSNPSLDPDDATYFGAFKVDID 294

RESULT 15

US-08-995-659-11
; Sequence 11, Application US/08995659
; Patent No. 6242213
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Galibert, Eugene
; APPLICANT: Maraskovsky, Eugene
; TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/995,659
; FILING DATE: 22 DECEMBER 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 60/064,671
; FILING DATE: 14 OCTOBER 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USN 08/813,509
; FILING DATE: 07 MARCH 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2852-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 4, 2003, 15:34:06 ; Search time 35.2799 seconds

(without alignments)
1067.091 Million cell updates/sec

Title: US-09-865-363-13

Perfect score: 1685

Sequence: 1 MRRASRDYTKYLKRGSEEMGC.....LLDPDQATYFGAFKVRDID 317

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1685	100.0	317	15	US-10-218-547-22
5	1417.5	84.1	316	11	US-09-079-569-7
6	1417.5	84.1	316	11	US-10-017-910-4
7	1417.5	84.1	316	15	US-10-105-057-2
8	1417.5	84.1	316	15	US-10-272-411-19
9	1417.5	84.1	316	15	US-10-272-328A-19
10	1326.5	78.7	294	9	US-09-871-856-11
11	1326.5	78.7	294	10	US-09-877-650-11
12	1293	76.7	245	14	US-10-017-910-2
13	852	50.6	160	10	US-09-791-153A-15
14	790	46.9	170	11	US-09-791-153A-76
15	768	45.6	160	10	US-09-779-050A-14

16	538	31.9	109	9	US-09-911-777-8	Sequence 8, Appl1
17	538	31.9	109	15	US-10-045-574A-8	Sequence 8, Appl1
18	418	24.8	77	16	US-10-286-696-11	Sequence 11, Appl1
19	363	21.5	77	16	US-10-286-696-10	Sequence 10, Appl1
20	251.5	14.9	279	14	US-10-066-209-3	Sequence 3, Appl1
21	251.5	14.9	281	8	US-08-916-625B-6	Sequence 6, Appl1
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25	251.5	14.9	281	9	US-09-813-329-17	Sequence 17, Appl1
26	251.5	14.9	281	10	US-09-934-465-1	Sequence 1, Appl1
27	251.5	14.9	281	11	US-09-919-039-118	Sequence 118, App
28	251.5	14.9	281	13	US-10-039-785-66	Sequence 66, Appl1
29	251.5	14.9	281	14	US-10-011-125-4	Sequence 4, Appl1
30	251.5	14.9	281	14	US-10-001-054-54	Sequence 54, Appl1
31	251.5	14.9	281	15	US-10-093-765-54	Sequence 54, Appl1
32	251.5	14.9	281	15	US-10-174-654-11	Sequence 11, Appl1
33	251.5	14.9	281	15	US-10-151-882-41	Sequence 41, Appl1
34	248	14.7	291	15	US-10-218-547-20	Sequence 20, Appl1
35	244	14.5	291	14	US-10-017-910-6	Sequence 6, Appl1
36	232.5	13.8	246	9	US-09-855-544A-13	Sequence 13, Appl1
37	232.5	13.8	166	10	US-09-779-050A-16	Sequence 16, Appl1
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39	227.5	13.5	172	15	US-10-185-425-5	Sequence 5, Appl1
40	223.5	13.3	172	10	US-09-779-050A-17	Sequence 17, Appl1
41	210	12.5	164	14	US-10-116-378-25	Sequence 25, Appl1
42	205	12.2	39	11	US-09-791-153A-77	Sequence 77, Appl1
43	189	11.2	81	8	US-08-971-317A-6	Sequence 79, Appl1
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					US-09-193-663-6	Sequence 6, Appl1

ALIGNMENTS

RESULT 1

US-09-813-329-7

Sequence 7, Appl1

Patent No. US20020012968A1

GENERAL INFORMATION:

APPLICANT: Bristol-Myers Squibb Company

TITLE OF INVENTION: NO. US20020012968A1el Drosophila Tumor Necrosis Factor Class M

FILE REFERENCE: Variants Thereof

FILE REFERENCE: D0016.nd

CURRENT APPLICATION NUMBER: US/09/813,329

PRIOR FILING DATE: 2001-03-20

PRIOR APPLICATION NUMBER: 60/190,816

PRIOR FILING DATE: 2000-03-21

NUMBER OF SEQ ID NOS: 65

SOFTWARE: PatentIn version 3.0

SEQ ID NO 7

LENGTH: 317

TYPE: PRT

ORGANISM: Drosophila melanogaster

US-09-813-329-7

Query Match

Best Local Similarity 100.0%; Score 1685; DB 9; Length 317;

Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLKRGSEEMGCGPAPHECPPLAPPAPPAAPPAASRSNFVLLGLGGOV 60

DB 1 MRRASRDYTKYLKRGSEEMGCGPAPHECPPLAPPAPPAAPPAASRSNFVLLGLGGOV 60

QY 61 VCSVALFFYFRAQMDPNRISDEGTHCIRILRLHENDFOFTLESODTKLIPSCRRK 120

DB 61 VCSVALFFYFRAQMDPNRISDEGTHCIRILRLHENDFOFTLESODTKLIPSCRRK 120

QY 121 QAFQAVKEQOHIVGSOHIAEAKAVDGSWLDLAKSKLEAOPFAILITNADIPSGSH 180

DB 121 QAFQAVKEQOHIVGSOHIAEAKAVDGSWLDLAKSKLEAOPFAILITNADIPSGSH 180

QY 181 KVISLSSWYHGRGMAKISMFTSNCKLIVNODGFYLYANICFRHETSGDLATEYQLMW 240

DB 181 KVSLSWYHDBGMKISNMTFNSNGKLIYNODGFYLLANICFRHHETSGDLATEYLQLMV 240
QY 241 YVTKTSIKIPSSHTLMKGSTKYWSGNSSEHFHYSINVGGFFKLRSGEISTEVSNSPLD 300
DB 241 YVTKTSIKIPSSHTLMKGSTKYWSGNSSEHFHYSINVGGFFKLRSGEISTEVSNSPLD 300
QY 301 PDDATYFGAFKVRDID 317
DB 301 PDDATYFGAFKVRDID 317
RESULT 2
US-09-871-856-13
Sequence 13, Application us/09871856
Patent No. US20020081720A1
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
Galibert, Laurent
Maraskovsky, Eugene
TITLE OF INVENTION: Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/871,856
FILING DATE: 31-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996,139
FILING DATE: <Unknown>
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2851-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-871-856-13
Query Match 100.0%; Score 1685; DB 9; Length 317;
Best Local Similarity 100.0%; Pred. No. 9,9e-156;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLLGSEMGSGGAPHGEPHAPPAPHPAPPAASRSKMFVALLGLGLGV 60
DB 1 MRRASRDYTKYLLGSEMGSGGAPHGEPHAPPAPHPAPPAASRSKMFVALLGLGLGV 60
QY 61 VCSVALFFYFRAQMDPNISDGHCTYRILRLHENDFODTLESODTKLIPDSCKRIK 120
DB 61 VCSVALFFYFRAQMDPNISDGHCTYRILRLHENDFODTLESODTKLIPDSCKRIK 120

QY 121 QAFQAVOKELQIHVGSQHIRAEKAMVDSWLDLAKRSKLEADPFALHTINATDIPSGSH 180
DB 121 QAFQAVOKELQIHVGSQHIRAEKAMVDSWLDLAKRSKLEADPFALHTINATDIPSGSH 180
QY 181 KVSLSWYHDBGMKISNMTFNSNGKLIYNODGFYLLANICFRHHETSGDLATEYLQLMV 240
DB 181 KVSLSWYHDBGMKISNMTFNSNGKLIYNODGFYLLANICFRHHETSGDLATEYLQLMV 240
QY 241 YVTKTSIKIPSSHTLMKGSTKYWSGNSSEHFHYSINVGGFFKLRSGEISTEVSNSPLD 300
DB 241 YVTKTSIKIPSSHTLMKGSTKYWSGNSSEHFHYSINVGGFFKLRSGEISTEVSNSPLD 300
QY 301 PDDATYFGAFKVRDID 317
DB 301 PDDATYFGAFKVRDID 317
RESULT 3
US-09-877-650-13
Sequence 13, Application US/09877650
Patent No. US20020169117A1
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
Galibert, Laurent
Maraskovsky, Eugene
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,650
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/995,659
FILING DATE: 1997-12-22
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2852-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-877-650-13
Query Match 100.0%; Score 1685; DB 10; Length 317;
Best Local Similarity 100.0%; Pred. No. 9,9e-156;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRASRDYTKYLLGSEMGSGGAPHGEPHAPPAPHPAPPAASRSKMFVALLGLGLGV 60
DB 1 MRRASRDYTKYLLGSEMGSGGAPHGEPHAPPAPHPAPPAASRSKMFVALLGLGLGV 60

Qy	61	VCSVALEFFFYFAQMDPNRIS	EDGTHCIRILRLHENDFO	DTTLESODTKILPSCRRK	120
Dp	61	VCSVALEFFFYFAQMDPNRIS	EDGTHCIRILRLHENDFO	DTTLESODTKILPSCRRK	120
Qy	121	QAFGCAVOKELQHTIVGSO	HTIAEKAMVDGSKLDAK	SKLEAOPFAHLLTINATID	IPSGSH 180
Dp	121	QAFGCAVOKELQHTIVGSO	HTIAEKAMVDGSKLDAK	SKLEAOPFAHLLTINATID	IPSGSH 180
Qy	181	KVLSLSWYHDCGMAKISN	MTFSNCKLIVNOGCFY	LVANICFRHHETSGD	ATEYLDLMV 240
Dp	181	KVLSLSWYHDCGMAKISN	MTFSNCKLIVNOGCFY	LVANICFRHHETSGD	ATEYLDLMV 240
Qy	241	VYVTKTSIKIPSSHILM	KGSGTRKYSNGSEHF	YISINVGCFKRLSGE	ISIEVSNPSLD 300
Dp	241	VYVTKTSIKIPSSHILM	KGSGTRKYSNGSEHF	YISINVGCFKRLSGE	ISIEVSNPSLD 300
Qy	301	PDODATYFGAKFVRDID	317		
Dp	301	PDODATYFGAKFVRDID	317		

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RESULT 4
US-10-218-547-22
: Sequence 22, Application US/10218547
: Publication No. US20030100074A1
: GENERAL INFORMATION:
: APPLICANT: Human Genome Sciences, Inc.
: TITLE OF INVENTION: Methods and Compositions For Treating Metabolic Bone Diseases Rel
: TITLE OF INVENTION: Human Endokline Alpha
: FILE REFERENCE: PFS61
: CURRENT APPLICATION NUMBER: US/10/218,547
: CURRENT FILING DATE: 2002-08-15
: PRIOR APPLICATION NUMBER: 60/312,542
: PRIOR FILING DATE: 2001-08-16
: PRIOR APPLICATION NUMBER: 60/330,761
: PRIOR FILING DATE: 2001-10-30
: NUMBER OF SEQ ID NOS: 57
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 22
: LENGTH: 317
: TYPE: prt
: ORGANISM: human
: US-10-218-547-22

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Query Match	100.0%	Score 1685;	DB 15;	Length 317;
Best Local Similarity	100.0%	Pred. No. 9.9e-156;		
Matches 317;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MRRASRDYTKYLKRGSEEMGGCGPARGHEGRLHAPPAPARHOPAPRAASRMFVALLGGLCOY	60	
Db	1	MRRASRDYTKYLKRGSEEMGGCGPARGHEGRLHAPPAPARHOPAPRAASRMFVALLGGLCOY	60	
QY	61	VCSVALFFYFPAQMDPNRISIEDGTHCIYRILRLHENDAPDOTTLESQTKLIPDSCRRIK	120	
Db	61	VCSVALFFYFPAQMDPNRISIEDGTHCIYRILRLHENDAPDOTTLESQTKLIPDSCRRIK	120	
QY	121	QAFQGAOVKELQHTIYVSGSHIRAEKAMVDSWLDLAKRSKLEQAPRAHLTINATDIPSSSH	180	
Db	121	QAFQGAOVKELQHTIYVSGSHIRAEKAMVDSWLDLAKRSKLEQAPRAHLTINATDIPSSSH	180	
QY	181	KVSLSSWYHDSGMKAKISNMTFSSNGKLIYNQGGFYLLYANIFGRHNETSGDLATEYLQLMV	240	
Db	181	KVSLSSWYHDSGMKAKISNMTFSSNGKLIYNQGGFYLLYANIFGRHNETSGDLATEYLQLMV	240	
QY	241	YVYRTSTIKIPSSHILMKGGSTKRYWSGNSEPHFYSTINVGCFKLNSGEETISLEVNSPSLD	300	
Db	241	YVYRTSTIKIPSSHILMKGGSTKRYWSGNSEPHFYSTINVGCFKLNSGEETISLEVNSPSLD	300	
QY	301	PDODATYFGAKFVRDID 317		
Db	301	PDODATYFGAKFVRDID 317		

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1      RESULT 5
2      US-09-079-569-7
3      Sequence 7, Application US/09079569
4      Publication No. US20030104485A1
5      GENERAL INFORMATION:
6      APPLICANT: Boyle, William J.
7      TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS
8      NUMBER OF SEQUENCES: 7
9      CORRESPONDENCE ADDRESS:
10     ADDRESSEE: Amgen Inc.
11     STREET: 1840 Dehavenland Drive
12     CITY: Thousand Oaks
13     STATE: California
14     COUNTRY: USA
15     ZIP: 91230-1789
16
17     COMPUTER READABLE FORM:
18     MEDIUM TYPE: Floppy disk
19     COMPUTER: IBM PC compatible
20     OPERATING SYSTEM: PC-DOS/MS-DOS
21     SOFTWARE: PatentIn Release #1.0, Version #1.30
22
23     CURRENT APPLICATION DATA:
24     APPLICATION NUMBER: US/09/079,569
25     FILING DATE:
26     CLASSIFICATION:
27
28     PRIOR APPLICATION DATA:
29     APPLICATION NUMBER: 08/842,842
30     FILING DATE:
31
32     ATTORNEY/AGENT INFORMATION:
33     NAME: Winter, Robert B.
34     REFERENCE/DOCKET NUMBER: A-451
35
36     INFORMATION FOR SEQ ID NO: 7:
37     SEQUENCE CHARACTERISTICS:
38     LENGTH: 316 amino acids
39     TYPE: amino acid
40     TOPOLOGY: linear
41
42     MOLECULE TYPE: protein
43
44     US-09-079-569-7

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Query Match	84.18;	Score 1417.5;	DB 11;	Length 316;
Best Local Similarity	84.38;	Pred. No. 1.1e-129;		
Matches 268;	Conservative 16;	Mismatches 31;	Indels 3;	Gaps 2

Qy	MRASRDYKLYLSESEMGSGPAAHEEPILH-APPAPADHPAPASRMFPALLGICLIG	59
Db	1 MRASRDYKLYLRSSSEMGSGPVGHEGFLHPAPAPAPAPAPASRMFPALLGICLIG	60
Qy	60 VCSVALFFYFRAQMDPNRISEDGTHCIYILRLHENADEFDTLLESODTKLIAPDCRI	119
Db	61 VCSIALFLFYFRAQMDPNRISEDSTHCFRIILRLHENGLDSTSEDT--LPDSCRIM	118
Qy	120 KAFQFQAVQKELOHITVSGHIAEAKYAMVDSGLDAKSKILEAPPAHLITNAPDPGS	179
Db	119 KAFQFQAVQKELOHITVGPFRFGAPARMGSLDVQAQKPEAPFAHLITTNASTPGS	178
Qy	180 HAYSLSSWYHDSGMAKISNMTFSNGKLLIVNODGFYYLVANICFRHHETSGDLATEYLQLM	239
Db	179 HKVTLSSWYHDSGMAKISNMTLSNCKLRVNDGCFYLVANICFRHHETSGSVPTDYQLM	238
Qy	240 VYVTKTSIKIPSSHTLMKGSSTKYVSGNSEPHFYIYNVGCFPKLRSGEISIEVSNPDL	299
Db	239 VYVTKTSIKIPSSHNLMKGSSTKNNSGNSEPHFYIYNVGCFPKLRAGEISIOVSNPDL	298
Qy	300 DPQDQATYFGAKRVKVID 317	
Db	299 DPQDQATYFGAKRVKVID 316	

RESULT 6
US-10-017-910-4
; Sequence 4, Application US/10017910C
; Publication No. US20020159970A1
; GENERAL INFORMATION:

Best Local Similarity 84.3%, Pred. No. 1.1e-129;
Matches 268: Conservative 16; Mismatches 31; Indels 3; Gaps 2;

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OY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHL-APPAPAPHPAPASRSMFALLGLGLGQ 59
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLPAAPAPAPASRSMFALLGLGLGQ 60
OY 60 VVCSVALFFYFRAQMDPNRISSEDGTHCIYRILRLHENAPODTTLESODTKLIPDSCRI 119
DB 61 VVCSVALFFYFRAQMDPNRISSEDGTHCIYRILRLHENAPODTTLESODTKLIPDSCRI 118
OY 120 KAPFGAAYOKELQHTVGSQHIRAKAWDGSWLDLAKRSKLEAOPFAHLTINATDIPSGS 179
DB 119 KAPFGAAYOKELQHTVGSQHIRAKAWDGSWLDLAKRSKLEAOPFAHLTINATDIPSGS 178
OY 180 HKVLSWYHDGRGAKISNMTFSGNKLIVNODGFYLYANICFRHHETSGDLATEYLQDM 239
DB 179 HKVLSWYHDGRGAKISNMTFSGNKLIVNODGFYLYANICFRHHETSGDLATEYLQDM 238
OY 240 VYVTKTSIKTIPSSHNLKMGSGTKWNSGFHYYSINVGFFKLRSGEISIOVSNPSLL 299
DB 239 VYVTKTSIKTIPSSHNLKMGSGTKWNSGFHYYSINVGFFKLRSGEISIOVSNPSLL 298
OY 300 DPQDQATYFGAFKVRDID 317
DB 299 DPQDQATYFGAFKVRDID 316
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RESULT 9

US-10-272-328A-19
Sequence 19, Application US/10272328A
Publication No. US20030109444A1
GENERAL INFORMATION:
APPLICANT: Barnes Jewish Hospital
APPLICANT: Lam, Jonathan
APPLICANT: Ross, F. Patrick
TITLE OF INVENTION: RANKL MIMICS AND USES THEREOF
FILE REFERENCE: 60019620-0206
CURRENT APPLICATION NUMBER: US/10/272,328A
PRIORITY FILING DATE: 2003-01-24
PRIORITY APPLICATION NUMBER: 60/339,393
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 19
LENGTH: 316
TYPE: PRT
ORGANISM: Homo sapiens
US-10-272-328A-19

Query Match 84.1%, Score 1417.5; DB 15; Length 316;
Best Local Similarity 84.3%, Pred. No. 1.1e-129;
Matches 268: Conservative 16; Mismatches 31; Indels 3; Gaps 2;

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OY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHL-APPAPAPHPAPASRSMFALLGLGLGQ 59
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLPAAPAPAPASRSMFALLGLGLGQ 60
OY 60 VVCSVALFFYFRAQMDPNRISSEDGTHCIYRILRLHENAPODTTLESODTKLIPDSCRI 119
DB 61 VVCSVALFFYFRAQMDPNRISSEDGTHCIYRILRLHENAPODTTLESODTKLIPDSCRI 118
OY 120 KAPFGAAYOKELQHTVGSQHIRAKAWDGSWLDLAKRSKLEAOPFAHLTINATDIPSGS 179
DB 119 KAPFGAAYOKELQHTVGSQHIRAKAWDGSWLDLAKRSKLEAOPFAHLTINATDIPSGS 178
OY 180 HKVLSWYHDGRGAKISNMTFSGNKLIVNODGFYLYANICFRHHETSGDLATEYLQDM 239
DB 179 HKVLSWYHDGRGAKISNMTFSGNKLIVNODGFYLYANICFRHHETSGDLATEYLQDM 238
OY 240 VYVTKTSIKTIPSSHNLKMGSGTKWNSGFHYYSINVGFFKLRSGEISIOVSNPSLL 299
DB 239 VYVTKTSIKTIPSSHNLKMGSGTKWNSGFHYYSINVGFFKLRSGEISIOVSNPSLL 298
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DB 239 VYVTKTSIKTIPSSHNLKMGSGTKWNSGFHYYSINVGFFKLRSAGEISIOVSNPSLL 298

OY 300 DPQDQATYFGAFKVRDID 317
DB 299 DPQDQATYFGAFKVRDID 316

RESULT 10

US-09-871-856-11
Sequence 11, Application US/09871856
Patent No. US20020081720A1
GENERAL INFORMATION:
APPLICANT: Anderson, Dick M.
Galibert, Laurent
Maraskovsky, Eugene
TITLE OF INVENTION: Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/871,856
FILING DATE: 31-May-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996,139
FILING DATE: <Unknown>
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2851-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-871-856-11

Query Match 78.7%, Score 1326.5; DB 9; Length 294;
Best Local Similarity 84.5%, Pred. No. 7.1e-121;
Matches 250: Conservative 16; Mismatches 27; Indels 3; Gaps 2;

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OY 23 GAPHEGPHL-APPAPAPHPAPASRSMFALLGLGLGQVCSVALFFYFRAQMDPNRIS 81
DB 1 GVPHEGPHLPAAPAPAPASRSMFALLGLGLGQVCSVALFFYFRAQMDPNRIS 60
OY 82 DGTCHYRILRLHENAPODTTLESODTKLIPDSCRIKAPFGAAYOKELQHTVGSQHIR 141
DB 61 DGTCHYRILRLHENAPODTTLESODTKLIPDSCRIKAPFGAAYOKELQHTVGSQHIR 138
OY 142 AEKAWDGSWLDLAKRSKLEAOPFAHLTINATDIPSGSHKVSLSWYHDGRGAKISNMTF 201
DB 119 GAPAMGSGWLDVAORCKPEAOPFAHLTINATDIPSGSHKVSLSWYHDGRGAKISNMTL 178
OY 202 SNGKLIYNODGFYLYANICFRHHETSGDLATEYLQDMVYVTKTSIKTIPSSHNLKMGSGT 261
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DB 179 SNGKILVNQDGFYLYXANICFRHHETSGVPTDYLQIMVYVTKTSIKIPSSHNLMKGGST 238
QY 262 KYWGSNSEHFHFYSINVGFFKLRSGEISIEVSNPSLLDPDQATYFGAFKVRDID 317
DB 239 KMWGSNSEHFHFYSINVGFFKLRSGEISIOVSNPSLLDPDQATYFGAFKVRDID 294

RESULT 11
US-09-877-650-11

Sequence 11, Application US/09877650
Patent No. US2002016917A1
GENERAL INFORMATION:
APPLICANT: Anderson, Dirk M.
Galibert, Laurent
Maraskovsky, Eugene
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,650
FILING DATE: 08-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/995,659
FILING DATE: 1997-12-22
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2852-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-877-650-11

Query Match 78.7%: Score 1326.5; DB 10; Length 294;
Best Local Similarity 84.5%; Pred. No. 7.1e-121;
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 23 GAPHEGPLH-APPAPAPHPAPASRSMFALLGLGQVGVSVALLFFEFRAQMDPNRISE 81
DB 1 GVPHEGPLHAPAPAPAPAPASRSMFALLGLGQVGVSVALLFFEFRAQMDPNRISE 60
QY 82 DGHCIYRLRLHENAADFDTLLESODTKLIPDSCRRIRKQAFQGAQVQKELOHIYGSQHIR 141
DB 61 DSTHCFYRLRLHENAADFDTLLESODTKLIPDSCRRIRKQAFQGAQVQKELOHIYGSQHIR 118
QY 142 AKAQVDSWLDIAKRSKLEAOPFAHLITINATDIPSGSHKYSLSWYHDDRGMAKISNTEF 201
DB 119 GAPAMGESWLDIAQKGFPAOPFAHLITINATDIPSGSHKYSLSWYHDDRGMAKISNTEF 178

QY 202 SNGKILVNQDGFYLYXANICFRHHETSGDLATEYLQIMVYVTKTSIKIPSSHNLMKGGST 261
DB 179 SNGKILVNQDGFYLYXANICFRHHETSGVPTDYLQIMVYVTKTSIKIPSSHNLMKGGST 238
QY 262 KYWGSNSEHFHFYSINVGFFKLRSGEISIEVSNPSLLDPDQATYFGAFKVRDID 317
DB 239 KMWGSNSEHFHFYSINVGFFKLRSGEISIOVSNPSLLDPDQATYFGAFKVRDID 294

RESULT 12
US-10-017-910-2

Sequence 2, Application US/10017910
Publication No. US20020159970A1
GENERAL INFORMATION:
APPLICANT: Choi, Yongwon
Wong, Brian
Josien, Regis
Steinman, Ralph
TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY
INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING
METHODS OF USE THEREOF
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/017,910
FILING DATE: 14-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/447,035
FILING DATE: 1999-11-22
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-200
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
TELEX: 135521
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 245 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-017-910-2

Query Match 76.7%: Score 1293; DB 14; Length 245;
Best Local Similarity 99.6%; Pred. No. 1e-117;
Matches 244; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 73 QMDPNRISEDTGHCYRLRLHENAADFDTLLESODTKLIPDSCRRIRKQAFQGAQVQKEQ 132
DB 1 QMDPNRISEDTGHCYRLRLHENAADFDTLLESODTKLIPDSCRRIRKQAFQGAQVQKEQ 60
QY 133 HYGSSQHIRAKKAWQDSWLDIAKRSKLEAOPFAHLITINATDIPSGSHKYSLSWYHDDG 192
DB 61 HYGSSQHIRAKKAWQDSWLDIAKRSKLEAOPFAHLITINATDIPSGSHKYSLSWYHDDG 120
QY 193 WAKISNTEFNGKILVNQDGFYLYXANICFRHHETSGDLATEYLQIMVYVTKTSIKIPSS 252
DB 121 WAKISNTEFNGKILVNQDGFYLYXANICFRHHETSGDLATEYLQIMVYVTKTSIKIPSS 180

QY 253 HTLMKSGSTKYWGSNSEFHFYSINVGFFKLRSGEISTEIVSNPSLLDPDODATYFGAKR 312
DB 181 HTLMKSGSTKYWGSNSEFHFYSINVGFFKLRSGEISTEIVSNPSLLDPDODATYFGAKR 240
QY 313 VRDID 317
DB 241 VRDID 245

RESULT 13
US-09-779-050A-15
; Sequence 15, Application US/09779050A
; Patent No. US20020160416A1
; GENERAL INFORMATION:
; APPLICANT: BOYLE, WILLIAM
; APPLICANT: HSU, HAILING
; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
; FILE REFERENCE: A-570B
; CURRENT APPLICATION NUMBER: US/09/779, 050A
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/181,800
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-779-050A-15

Query Match
Best Local Similarity 50.6%; Score 852; DB 10; Length 160;
Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 158 SKLEAOPFAHLTINATDIPSGSHKVSLSWYHDSGMAKISNMTFSNGKLIYNODGFYLY 217
DB 1 SKLEAOPFAHLTINATDIPSGSHKVSLSWYHDSGMAKISNMTFSNGKLIYNODGFYLY 60
QY 218 ANICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSIN 277
DB 61 ANICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSIN 120
QY 278 GFFKLRSGEISTEIVSNPSLLDPDODATYFGAKRYVDID 317
DB 121 GFFKLRSGEISTEIVSNPSLLDPDODATYFGAKRYVDID 160

RESULT 14
US-09-791-153A-76
; Sequence 76, Application US/09791153A
; Publication No. US20030103978A1
; GENERAL INFORMATION:
; APPLICANT: Deshpande, Rajendra
; APPLICANT: Hitz, Anna
; APPLICANT: Boyle, William
; APPLICANT: Sullivan, John
; TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
; FILE REFERENCE: A-633A
; CURRENT APPLICATION NUMBER: US/09/791,153A
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/511,139
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 76
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-791-153A-76

Query Match
Best Local Similarity 46.9%; Score 790; DB 11; Length 170;
Matches 91.4%; Pred. No. 5.6e-69;

Matches 148; Conservative 5; Mismatches 9; Indels 0; Gaps 0;
QY 156 KRSKLEAOPFAHLTINATDIPSGSHKVSLSWYHDSGMAKISNMTFSNGKLIYNODGFYLY 215
DB 9 KRSKLEAOPFAHLTINATDIPSGSHKVSLSWYHDSGMAKISNMTFSNGKLIYNODGFYLY 68
QY 216 LYANICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSI 275
DB 69 LYANICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSI 128
QY 276 NVGGFFKLRSGEISTEIVSNPSLLDPDODATYFGAKRYVDID 317
DB 129 NVGGFFKLRSGEISTEIVSNPSLLDPDODATYFGAKRYVDID 170

RESULT 15
US-09-779-050A-14
; Sequence 14, Application US/09779050A
; Patent No. US20020160416A1
; GENERAL INFORMATION:
; APPLICANT: BOYLE, WILLIAM
; APPLICANT: HSU, HAILING
; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
; FILE REFERENCE: A-570B
; CURRENT APPLICATION NUMBER: US/09/779, 050A
; PRIOR FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/181,800
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-779-050A-14

Query Match
Best Local Similarity 45.6%; Score 768; DB 10; Length 160;
Matches 143; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

QY 159 KLEAOPFAHLTINATDIPSGSHKVSLSWYHDSGMAKISNMTFSNGKLIYNODGFYLY 218
DB 2 KLEAOPFAHLTINATDIPSGSHKVSLSWYHDSGMAKISNMTFSNGKLIYNODGFYLY 61
QY 219 NICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSIN 278
DB 62 NICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSIN 121
QY 279 GFFKLRSGEISTEIVSNPSLLDPDODATYFGAKRYVDID 317
DB 122 GFFKLRSGEISTEIVSNPSLLDPDODATYFGAKRYVDID 160

Search completed: August 4, 2003, 15:45:56
Job time : 36.2799 secs

